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IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) An active matrix display device comprising an array of display pixels, each pixel comprising:

a current driven light emitting display element (~~2~~) and a first drive transistor (~~22~~) for driving a current through the display element, the display element and the first drive transistor being in series between power supply lines (~~26,28~~);

a first storage capacitor (~~24~~) for storing a gate-source voltage of the first drive transistor (~~22~~);

a second drive transistor (~~30~~), operable only during pixel programming, for providing a drive current based on an input voltage provided to the gate of the second drive transistor (~~30~~); and

a second storage capacitor (~~32~~) for storing the input voltage for driving the second drive transistor (~~30~~).

2. (currently amended) A device as claimed in claim 1, wherein the drive current provided by the second drive transistor (~~30~~) passes through the first drive transistor (~~22~~), a voltage thereby being generated on the first storage capacitor (~~24~~) corresponding to the drive current.

3. (currently amended) A device as claimed in claim 1, wherein each pixel further comprises an address transistor (~~16~~) connected between a data input line (~~6~~) and an input to the pixel.

4. (currently amended) A device as claimed in claim 1, wherein each pixel further comprises a shorting transistor (~~34~~) connected across the second storage capacitor (~~32~~).

5. (currently amended) A device as claimed in claim 1, wherein the first drive transistor (~~22~~) is connected between a high power supply line (~~26~~) and the anode of the display element (~~2~~), and the cathode of the display element is connected to a cathode line (~~28~~) which is shared between a row of pixels.

6. (currently amended) A device as claimed in claim 5, wherein a charging transistor (~~36~~) is connected between the high power supply line (~~26~~) and the gate of the first drive transistor (~~22~~).

7. (currently amended) A device as claimed in claim 1, wherein the anode of the display element (~~2~~) is connected to a high power supply line (~~26~~) which is shared between a row of pixels, the cathode of the display element (~~2~~) is connected to the drain of the first drive transistor (~~22~~), and the source of the first drive transistor (~~22~~) is connected to ground.

8. (currently amended) A device as claimed in claim 7, wherein the second drive transistor ~~(20)~~ is connected in series with a coupling transistor (40) between a power supply line ~~(27)~~ and the drain of the first drive transistor ~~(22)~~.

9. (currently amended) A device as claimed in claim 8, wherein a charging transistor ~~(36)~~ is connected between ground and the gate of the first drive transistor ~~(22)~~.

10. (currently amended) An active matrix display device comprising an array of display pixels, each pixel comprising:

a current driven light emitting display element and a first drive transistor for driving a current through the display element, the display element and the first drive transistor being in series between power supply lines,

a first storage capacitor for storing a gate-source voltage of the first drive transistor;

a second drive transistor for providing a drive current based on an input voltage provided to the gate of the second drive transistor;

a second storage capacitor for storing the input voltage for driving the second drive transistor; and

~~A device as claimed in claim 1, further comprising threshold~~ a voltage compensation circuitry for providing threshold compensation of the second drive

11. (currently amended) A device as claimed in claim 10, wherein the compensation circuitry comprises a third storage capacitor ~~(50)~~ for storing the threshold voltage of the second drive transistor ~~(30)~~, wherein the second and third storage capacitors ~~(32, 50)~~ are in series, and wherein the input to the pixel is provided to the junction between the second and third storage capacitors ~~(32, 50)~~.

12. (currently amended) A device as claimed in claim 10, further comprising transistors ~~(52, 54)~~ to provide a charging path to enable the third storage capacitor ~~(50)~~ to be charged to a voltage above the threshold voltage of the second drive transistor ~~(30)~~.

13. (currently amended) A device as claimed in claim 1, wherein the current driven light emitting display element ~~(2)~~ comprises an electroluminescent display element.

14. (currently amended) A method of addressing an active matrix display device comprising an array of display pixels, in which each pixel comprises a current driven light emitting display element ~~(2)~~ and a first drive transistor ~~(22)~~ for driving a current through the display element, the method comprising, for each pixel:

using an input voltage to drive a second drive transistor ~~(30)~~, thereby generating a source drain current;

storing the gate-source voltage of the first drive transistor ~~(22)~~ resulting from passing the source drain current through the first drive transistor ~~(22)~~ on a first storage capacitor ~~(24)~~;

driving the display element using the first drive transistor ~~(22)~~ based on the stored gate-source voltage; and

switching off the second drive transistor ~~(30)~~.

15. (currently amended) A method as claimed in claim 14, wherein using an input voltage to drive the second drive transistor ~~(30)~~ comprises adding the input voltage to the threshold voltage of the second drive transistor ~~(22)~~ and applying the result to the gate-source of the second drive transistor.